#### District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

# State of New Mexico Energy Minerals and Natural Resources

Form C-101 May 27, 2004

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit to appropriate District Office

- 1 1	AMENDED	DEDUBL	ľ

APPL	<u> ICAT</u>	ON FO	R PERMIT Operator Name	TO D	RILL, F	RE-EN	TER, DI	EEPEI	N, P	<u>LUGBAÇ</u>	C <b>K, O</b> OGRII	R AD	D A ZONE
Threshold	Develop	ment Con	npany	and Addre	.33				L	23032			
777 Taylor Fort Wort	h, Texas	76102	se 11-D							30-01	5 - APH	Jumber 6	î <u>]</u>
<sup>3</sup> Prope	rty Code				TDC St	perty Nam	e ion 8					6 Wel	l No.
		9	Proposed Pool 1							10 Propo	sed Pool	2	
Millm	nan-Yate		<u>ivers-Queen-</u>	<u>Graybur</u>		ndres							
					<sup>7</sup> Sur	rface Loc	ation			···			·
UL or lot no.	Section 8	Township 19S	·   -		Feet from the		outh line rth	Feet from the E			East/West line Co		
			<sup>8</sup> Propo	sed Bott	om Hole I	Location	If Differer	t From	Surfa	ace			
UL or lot no.	Section	Township	Range	Lot l		Feet from the	l l	outh line	l .	eet from the	East/W	est line	County
							nformation						
	Type Code N		<sup>12</sup> Well Type Co <b>O</b>			3 Cable/Rota Rotary	,			Type Code S			and Level Elevation 3388'
	lultiple <b>No</b>		<sup>17</sup> Proposed Dep Approx. 300		1	18 Formatio 1een-GB		U:		ontractor  1 Drilling			<sup>20</sup> Spud Date OV 22, 2004
Depth to Grou	undwater	NA		Distanc	e from neare	est fresh wa	ater well + 2	mi		Distance fron	nearest s	surface w	ater + 2 mi
Pit: Liner	: Synthetic	: X <u>12</u> n	nils thick Clay	☐ Pit V	olume: <u>40</u> 0	0_bbls (S	teel) Dr	rilling Me	thod:		**		
Close	ed-Loop Sy	stem 🔲					Fr	esh Water	r X F	rine X Diesel	/Oil-base	d □ G	as/Air 🔲
			21	Propos	sed Casi	ng and	Cement	Progra	m				
Hole S	Size	Cas	sing Size		g weight/foc		·		Sacks of Ce	ment Estimated TO		Estimated TOC	
11'	"	8	-5/8"		24#		Approx.	300'	350 Sacks		cks	Circulate	
7-7/	8"	5	-1/2"		10.5#	4	Approx.	3000'	800 Sacks		ks	ļ	Circulate
	`	<del> </del>		-					-				
									+-	·			
22 Describe t	he propose	d program.	If this application	is to DEE	PEN or PLU	UG BACK	give the dat	a on the p	resen	t productive z	one and p	roposed	new productive zone.
			gram, if any. Us				, 8	<b>-</b>					• • • • • • • • • • • • • • • • • • • •
Threshol	d Deve	lopment (	Company pi	oposes	to drill	and tes	t the Oue	en and	inte	ermediate	forma	tions.	
If produc	tive, ca	sing will	Company probe set and company	emente	ed and zo	ones of	interest	will be	per	forated an	d stim	ulated	
as needed	1 for pre	Jauction.											
MUD PRO	GRAM:	Fresh wate	er from surface blind and pipe	to 300';	cut brine	to TD						RE	CEIVED
		·	omia ana pipa	tanis								UC.	T 2 8 2004
GAS NOT	DEDIC	ATED											CARTESIA
	- Andrews						M						
23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be				ION I	<u>DIVIS</u>	ION							
			urtner certity to guidelines X, a				pproved by:						
(attached) a	lternative	OCD-appro	ved plan □.			-						<b>∞</b> 1 18 1	
Signature: mda Proum					TIM W. GUM DISTRICT I SUPERVISOR				Meno				
Printed name	: Linda I	Brown				Ti	tle:		D	STRICT	11 50		
Title: Regula	atory Analy	/st	···			A <sub>1</sub>	pproval Date	OCT S	29	2004 E	xpiration	Date:	OCT 2 9 2005
E-mail Addre	ess: lbrow	n@threshold	development.com	ı									
Date: 10/27/04 Phone: 817-870-1483					C	onditions of A	Approval A	Attach	ed 🗆				

DISTRICT I 1825 N. French Dr., Hobbs, NM 88240 DISTRICT II

# State of New Mexico

Form C-102 Revised March 17, 1999

Energy, Minerals and Natural Resources Department

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

API Number

Property Code

811 South First, Artesia, NM 88210

### OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87505

☐ AMENDED REPORT

Well Number

Pool Name

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

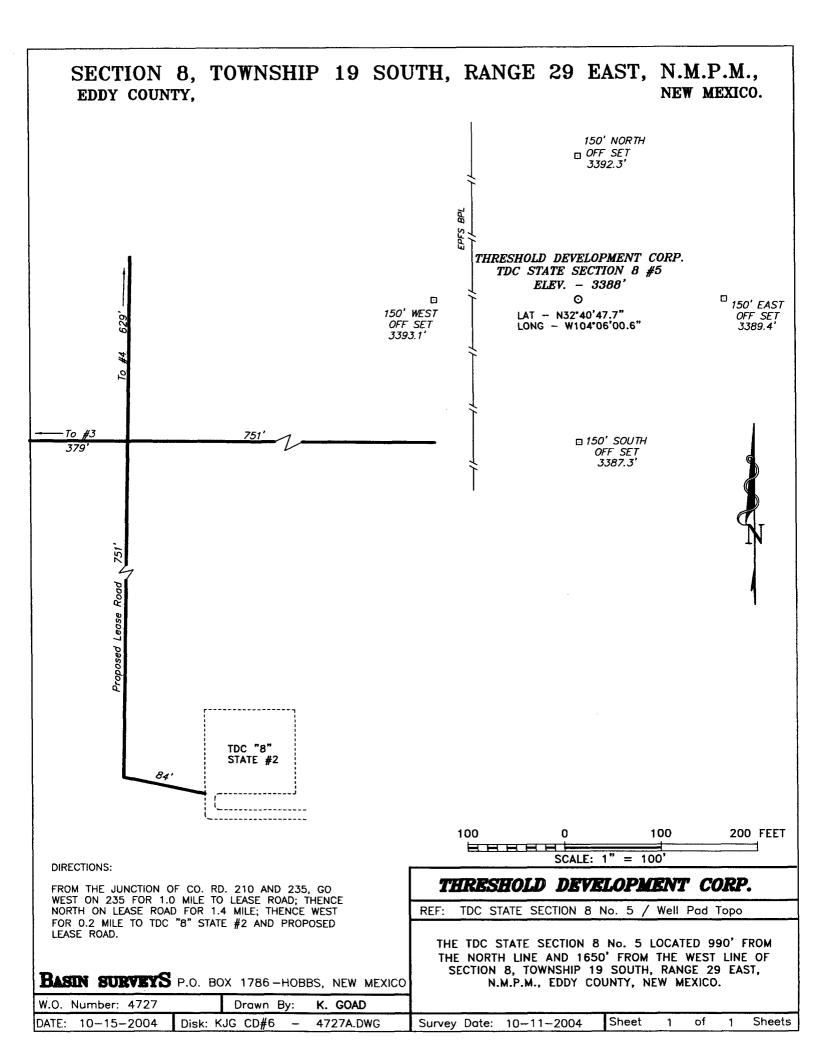
Property Name

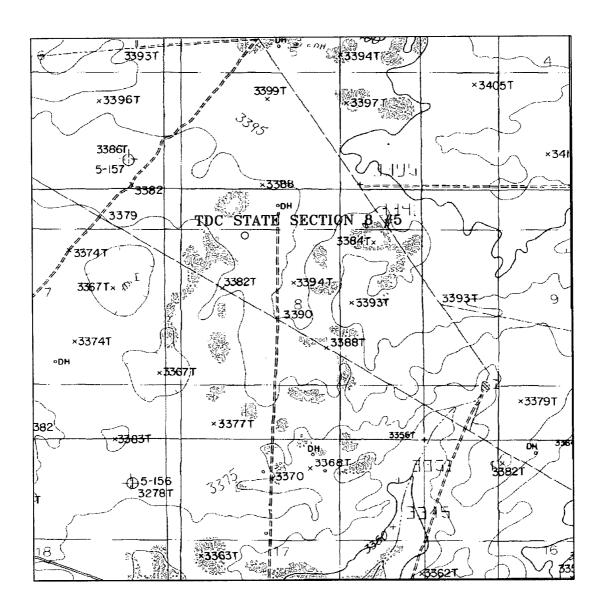
Pool Code

		TDC STATE SECTION 8							5	
OGRID N	0.	Operator Name Elevation						ion		
23032		THRESHOLD DEVELOPMENT CORPORATION 3388'						8'		
					Surface Loc	ation				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
. C	8	19 S	29 E		990	NORTH	1650	WEST	EDDY	
			Bottom	Hole Lo	cation If Diffe	erent From Sur	face			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
Dedicated Acre	s Joint	or Infill Con	solidation	Code Or	der No.					
40										

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

		OPERATOR CERTIFICATION
	·   ,066	I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
1650'		Mom Kul
	LAT-N32*40*47.7" LONG-W104*06'00.6"	MORRIS KEITH Printed Name
	 	OPERATIONS MANAGER
		SURVEYOR CERTIFICATION
		I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.
	 	OCTOBER 11, 2004  Date Supered
	+	Signature, at Seal of Surveyor
	   	Ceremente No. Gar La Jones 7977





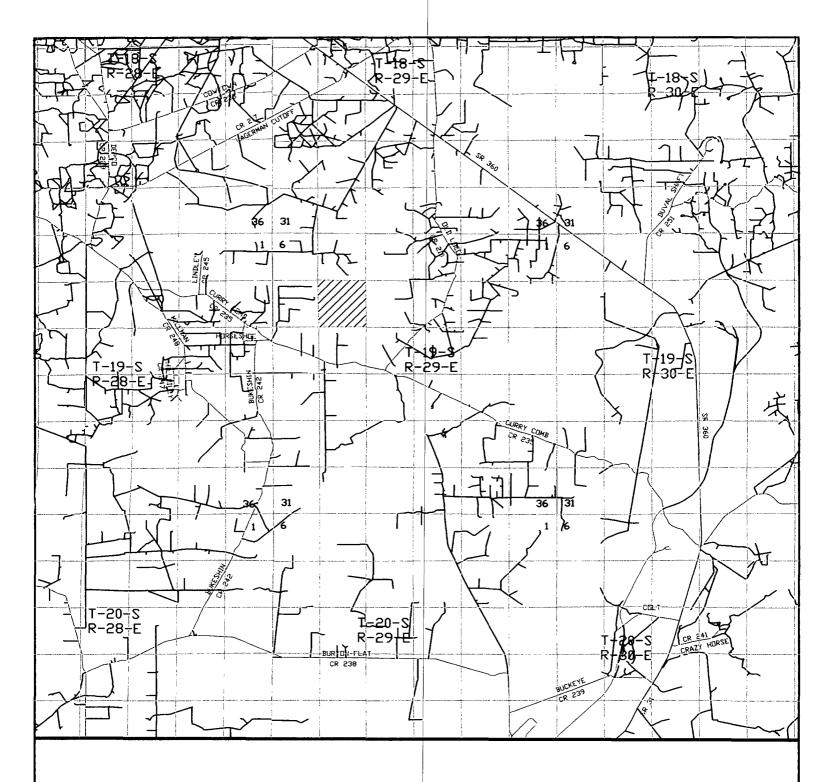
TDC STATE SECTION 8 #5 Located at 990' FNL and 1650' FWL Section 8, Township 19 South, Range 29 East, N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393-7316 — Office (505) 392-3074 — Fax basinsurveys.com

W.O. Number:	4727AA — KJG CD#5
Survey Date:	10-11-2004
Scale: 1" = 2	000'
Date: 10-15-	-2004

THRESHOLD DEVELOPEMENT COMPANY



TDC STATE SECTION 8 #5 Located at 990' FNL and 1650' FWL Section 8, Township 19 South, Range 29 East, N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (505) 393—7316 — Office (505) 392—3074 — Fax basinsurveys.com

W.O. Number:	4727AA - KJG CD#5
Survey Date:	10-11-2004
Scale: 1" = 2	MILES
Date: 10-15-	-2004

THRESHOLD DEVELOPEMENT COMPANY

# Threshold Development Co.

777 Taylor Street
P II Suite D
Fort Worth TX 76102

# Hydrogen Sulfide (H<sub>2</sub>S) Contingency Plan

# For

TDC STATE SECTION 8

Well # 3 990' FNL & 330' FWL

Well # 4 330' FNL & 990' FWL

Well # 5 990' FNL & 1650' FWL

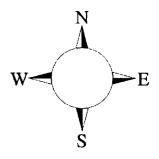
Well # 6 2310' FNL & 330' FWL

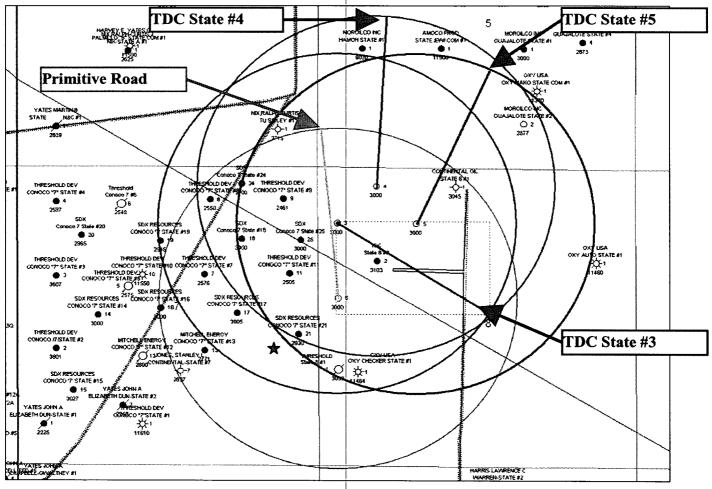
Sec-35, T-19S R-29E

**Eddy County NM** 

# TDC STATE SECTION 8 Wells # 3-6

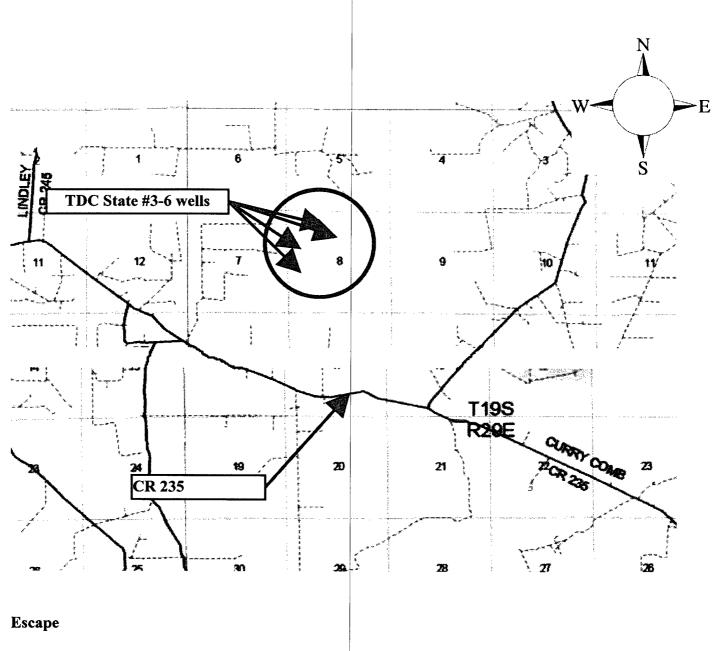
This is an open drilling site. H<sub>2</sub>S monitoring equipment and emergency response equipment will be used within 500' of zones known to contain H<sub>2</sub>S, including warning signs, wind indicators and H<sub>2</sub>S monitor.





Assumed 100 ppm RCP0=2000 (Rentines of Associate)

100 ppm 11/25 convenies and risk great and only especial and
(ROFS are shown in purple season great and only especial and
the wellsite)



Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated from lease road South or southwest on primitive road to county road 235. Drivers onto primitive road from all entrances and CR235 must be flagged and stopped so as to prevent traversing into a hazardous area. There are no homes or other buildings in or near the ROE.

#### **Emergency Procedures**

In the case of a release of gas containing H<sub>2</sub>S, the first responder(s) must isolate the area and prevent entry by other persons into the 100 ppm ROE. Additionally the first responder(s) must evacuate any public places encompassed by the 100 ppm ROE. First responder(s) must take care not to injure themselves during this operation. Company and/or local officials must be contacted to aid in this operation. Evacuation of the public should be beyond the 100 ppm ROE.

All responders must have training in the detection of  $H_2S$ , measures for protection against the gas, equipment used for protection and emergency response. Additionally, responders must be equipped with  $H_2S$  monitors and air packs in order to control the release. Use the "buddy system' to ensure no injuries during the response.

### **Ignition of Gas Source**

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO<sub>2</sub>). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas

#### Characteristics of H<sub>2</sub>S and SO<sub>2</sub>

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentr- ation
Hydrogen Sulfide	H <sub>2</sub> S	1.189 Air = 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	\$O₂	2.21 Air = 1	2 ppm	N/A	1000 ppm

#### **Contacting Authorities**

Threshold Development Co. personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available. The following call list of essential and potential responders has been prepared for use during a release. Threshold Development Co. response must be in coordination with the State of New Mexico's 'Hazardous Materials Emergency Response Plan' (HMER)

# Threshold Development Co. Company Call List

Morris Keith, Operations Manager Office - 817-980-3088 Cell - 817-980-3088 Home - 254-785-2892 Ray Selby, Field Superentendant Cell - 505-631-5984 Home - 505-396-7319

## **Agency Call List**

#### Eddy County (505)

Artesia	
State Police	746-2703
City Police	746-2703
Sheriff's Office	746-9888
Ambulance	911
Fire Department	746-2701
LEPC (Local Emergency Planning Committee)	746-2122
NMOCD	748-1283
Carlsbad State Police	
City Police	
Sheriff's Office	887-7551
Ambulance	911
Fire Department	885-2111
LEPC (Local Emergency Planning Committee)	887-3798
US Bureau of Land Management	887-6544
Ū	
New Mexico Emergency Response Commission (	Santa Fe) (505)476-9600
24 HR	(505) 827-9126
National Emergency Response Center (Washingto	• •

#### Other

Cudd Pressure Control(915) 6	99-0139 or (915) 563	3-3356
Halliburton(505)	746-2757	
B. J. Services(505)	746-3569	
Flight For Life -4000 24th St, Lubboo	k, TX	(806) 743-9911
Aerocare -Rr 3 Box 49f, Lubbock, T.	X	(806) 747-8923
Med Flight Air Amb 2301 Yale Blvd	SE #D3, Albuq, NM	(505) 842-4433
S B Air Med Svc 2505 Clark Carr Lo	op SE, Albug, NM	(505) 842-4949

Boots & Coots IWC ......1-800-256-9688 or (281) 931-8884

Prepared in conjunction with Wade Rohloff of;

